



# THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.

Founded in 1931

## SEPTEMBER MEETING: NASA'S LASER COMMUNICATION RELAY

TIM BARRETT, K9VB, RARA VICE PRESIDENT

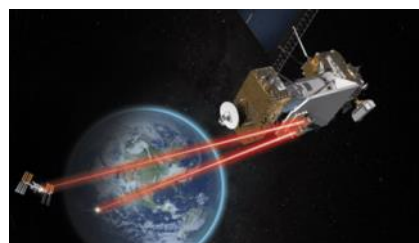
As you will be reading elsewhere in this Rag, our next meeting is the RARA "Annual Business Meeting" so please attend if you can, we need a quorum to vote in our officers. We promise to get that part of the meeting over as quickly as we can, since we have a great presentation lined up. Following David Bishop's fascinating look at the year in astronomy we continue a space theme but this time about communication. Intriguingly it is not about radio but a move away from radio.

For over 60 years, NASA has been sending spacecraft on missions near the earth and to the farthest reaches of our solar system equipped with traditional radio frequency transceivers. Next year that is all about to change. Technology demonstration missions are soon to be launched that will finally place laser communication systems in orbit and into deep space.

Our speaker is NASA Ambassador Jim Porter who gave us an excellent presentation about the solar eclipse earlier in the year. Join us to discover what scientists and engineers have developed for the Laser Communication Relay Demonstration (LCRD) mission including new high bandwidth communications hardware, offering from 10 to 100 times the data transfer rates of our current satellites.

Jim Porter has worked as an aerospace engineer at several NASA locations, most recently the Jet Propulsion Laboratory in Pasadena, CA. His popular presentations are engaging and easy to listen to for all levels. He graduated from Clarkson College in 1978 and worked as a

Chemical, Mechanical and Aerospace engineer over the last 45 years, retiring in 2022. He worked at several NASA locations, including Goddard, Marshall and most recently the Jet Propulsion Laboratory in Pasadena, CA. He also led payload integration programs at Boeing, Lockheed, Northrup Grumman, Bell Aerospace and, of course, L3Harris right here in Rochester. Jim's specific area of expertise is optical telescopes (he has more telescopes than ham radios), but his experience included many satellite subsystems as a Chief Systems Engineer, including the communications payloads.



Please join us on September 4<sup>th</sup> 2024, 7:00PM at the Boy Scouts Headquarters at 2320 Brighton Henrietta Townline Road, Rochester, New York 14623 or online by registering at <https://attendee.gotowebinar.com/register/2568581649557430110>

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RARA



# BOARDZ BUZZ

BRIAN O'CONNOR, KA2CGB, Secretary

## Highlights of the Year in Review

RARA has been very busy in 2023-2024.

The RARA Annual Banquet returned with an excellent turnout. For this year's Banquet, we have a new venue that can accommodate more people.

With last year's addition of the Wilmot Breakaway Ride and the Mammoth March in Letchworth Park this year, RARA supported more Public Service events than in recent years.

Operating events added in recent years focus on providing newer Hams with an opportunity to join a Parks On The Air (POTA) activation, participate in a Fox Hunt, try out phone, CW and digital (such as FT8 and JS8Call) modes, learn about a wide variety of HF antennas, and see many different radios in action.

This year we were unable to secure an appropriate venue for the RARA Hamfest. However, we have found a venue for next year and are now proceeding toward a firm contract.

RARA continued its cooperation with Scouting's Seneca Waterways Council. Youth outreach included Ham radio demonstrations and Scout participation in the Jamboree on the Air (JOTA) at Camp Cutler in October, and at the Klondike Derby in Williamson Town Park during January.

Your Board approved a Technology Grant request for installation of permanent HF and VHF antennas at Camp Cutler. This will eliminate set-up and tear-down of temporary antennas, permitting Scouts to have greater exposure to Ham radio and expand opportunities for their progress toward the Radio Merit Badge.

RARA held 9 monthly meetings at Council headquarters, featuring fellowship and informative programs. Meetings are well attended both in person and online. For the April meeting - traditionally Old Timers' Night - we were guests of the AWA Museum in Bloomfield and were treated to guided tours by their knowledgeable docents.

The RARA Volunteer Examiner (VE) team administered 87 tests over 8 sessions at RIT. A total of 33 Technician, 23 General, and 18 Extra class licenses were earned. Of these, 44 are new Hams. *Welcome them to Amateur Radio !*

## Members Make It Happen

RARA activities succeed because members volunteer their time and contribute their experience.

- 90 hours - Elmer's Corner
- 120 hours - Operating Events
- 134 hours - Scouting Events

- 148 hours - VE License Testing
- 1170 hours - Public Service Events

Total 1662 hours

In addition, many more hours are contributed on an ongoing basis by Officers, Directors and Administrators, as well as the License course and CW training instructors.

## Strengthening the Club, Part 2

From my Boardz Buzz column in the May issue of the *Rag*:

*Your current Board consists of nine (9) members, which means we can readily accommodate two (2) additional members.*

We are very pleased that two RARA members have stepped forward to serve as directors: George Adams, K4GWA, and Steve Blowers, K2PXT. Both bring valuable leadership experience with similar organizations. *Welcome!*

We are also very fortunate to have all members of the current Board return for a third year. This continuity allows us to enhance our current programs and pursue long-term development goals.

*Please think about how you might help RARA continue to support the Amateur Radio community throughout the Finger Lakes region. Suggestions welcome!*

Your RARA leadership is looking forward to presenting exciting programs in 2024 -2025. Please attend the Annual Business Meeting on Wednesday, September

## CALENDAR OF EVENTS

**WEDNESDAY SEPT 4, 2024** - RARA Meeting In Person and On-Line

7:00 PM - register at this link to attend on line

<https://attendee.gotowebinar.com/>

[register/2568581649557430110](https://attendee.gotowebinar.com/register/2568581649557430110)

**THURSDAY SEPT 5, 2024** - RARA Board of Directors Meeting

6:30 PM - Online

Email request for link to [secretary@rochesterham.org](mailto:secretary@rochesterham.org)

**Friday, SEPT 20, 2024** - The Annual RARA Banquet at Perlo's Italian Restaurant, 202 N. Washington St., East Rochester, NY 14445.

**SUNDAY, SEPT 22, 2024** - Wilmot Breakaway Ride, Xerox Campus,

# RaRa Banquet

*September 20, 2024*

*6:00 PM*

*Perlo's Italian Restaurant*  
*202 N. Washington St.*

*East Rochester, NY 14445*



OUR PRESENTER THIS YEAR WILL BE  
DANIEL WILES, EXECUTIVE DIRECTOR,  
OLD ERIE CANAL HERITAGE PARK AT PORT BYRON  
"THE ERIE CANAL: TWO HUNDRED YEARS OF SERVICE  
TO NEW YORK STATE"

*Don't forget to buy your tickets!*

*Members: \$30 or 60 Membership points*

*Non-members: \$30*

*Make reservations no later than*  
*September 16, 2024*

**Purchase Tickets On Line**



# RARA ANNUAL BANQUET

SUZANNE BISHOPP, W2SUZ  
ON BEHALF OF THE BANQUET COMMITTEE

It's time, once again, for the RARA Banquet! The date is Friday September 20th beginning at 6PM. Our banquet will be hosted by "Perlo's," located at 202 North Washington Street, East Rochester NY 14445.

We are still working out some details, but we have some great surprises in store for you. The food at "Perlo's" is fantastic but that's not the only reason to come.

The banquet program is bringing back some old traditions, and adding some new ones. There is always a raffle, but this year we are having a prize that even the non-ham will enjoy!

There will be a RARA memento for each attendee and a fun activity to play as we mingle and enjoy each other's' company.

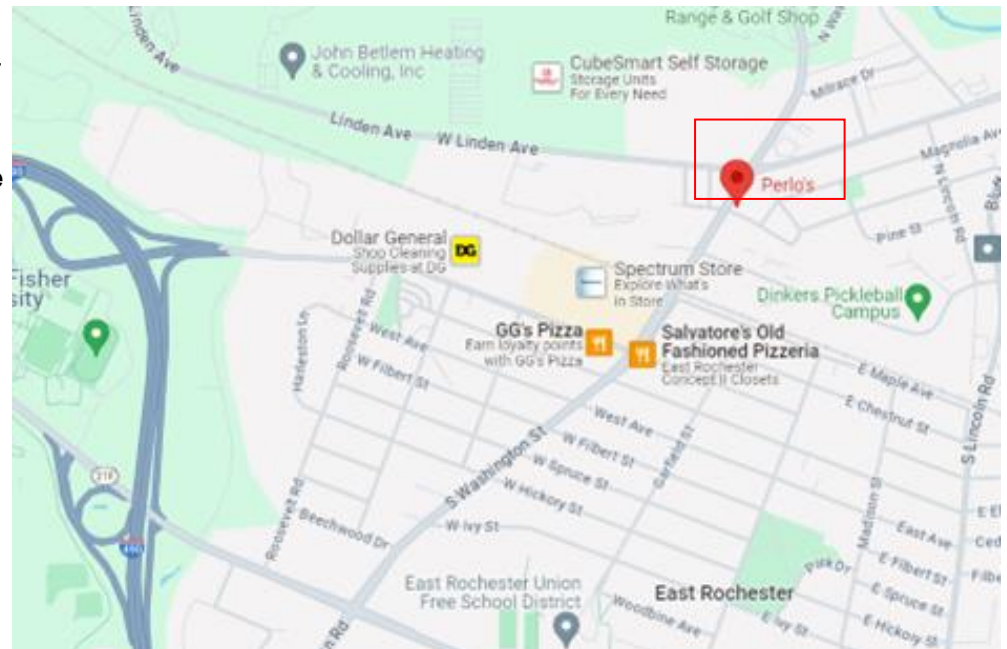
Last year George Adams, K4GWA, was awarded the Clube Service Award. Come and see who is honored this year!

This year we welcome Daniel Wiles, Executive Director of the Old Erie Canal Heritage Park at Port Byron as our guest speaker. It's the canal's bicentennial and Dan will be talking with us about the canal's 200 years of service to New York State. We will announce details at our meeting on September 4<sup>th</sup>.

The cost to attend the banquet will be \$30 for members and guests or 60 membership points. Tickets may be purchased on our website

<https://www.rochesterham.org/banquet.htm> .

Book early, as we have limited space. **This is going to be the RARA Event of the Year!**



# RARA MEMBERSHIP NEWS

**TIM BARRETT, K9VB, RARA VICE PRESIDENT AND MEMBERSHIP SECRETARY**

Membership of RARA now stands at 474, that's a healthy membership. However, as many of you are aware, our membership year ends on September 30<sup>th</sup> and as it stands, our membership will drop to 220 on that day. To avoid this, I am asking everybody who has not done so to please renew before that date. Not does that reduce our drop in membership, but it is also much easier for me to manage the renewals before members actually lapse.

You can join by clicking [here](#) or renew your membership [here](#). Note if you have enough points to cover your renewal, I have already renewed you through until September 30<sup>th</sup> 2025, but it is still a good idea to check your membership status. Thanks to all those who have renewed already!!

There are many membership benefits, here are just some of them:

- Only members can attend the RARA Annual Auction
- Free admission to the RARA Hamfest
- Access to license classes and discounts for license manuals
- Annual events such as the Picnic and Winterfest
- Earn Membership Points for contributing/volunteering at Club Events.
- Redeem Membership Points for annual dues and other activities
- Supporting an Organization that you value!

Being a member is also important, as your dues and a healthy membership count contribute to many RARA activities such as Rag subscription, monthly meetings, RARA Academy sessions, Elmer's Corner, <https://groups.io/g/RochesterHam>, mailing list, Facebook page, etc. Attracting good speakers is greatly helped when we can point to the size of our club, one of the largest ARRL affiliated clubs by the way.

I'd like to give a warm welcome to our new member, Aaron Rombaut KE2DYI, and also welcome back Fred Smith KA2EFC who has rejoined after several years.

Remember to look out for new members at RARA events and make sure to introduce yourself and welcome them to the club!







## EDUCATION

Karl Heinz Kremer, K5KHK, Education Coordinator

### RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

#### License Classes

Summer is over, and our license classes are starting up again. We can again offer classes for all three license levels. We start the second week of September. If you are interested in upgrading, or know of anybody who would like to get their initial ham radio license, please get in touch with me.

#### New Amateur Extra Question Pool

Since July 1<sup>st</sup> 2024, all Amateur Extra license exams are now using the new question pool, which means that you need the 13<sup>th</sup> edition of the ARRL License Manual to study for the test. Make sure you have the correct edition.

#### License Manuals

All current editions of the license manuals are available to our members at a discount for \$25. At this discount, we unfortunately cannot deliver, and you would have to pick up the manual. If you are interested, please send an email to [education@rochesterham.org](mailto:education@rochesterham.org)

### RARA ACADEMY

We have a new RARA Academy coordinator. I will let Steve Blowers, K2PXT introduce himself.

My name is Steve Blowers; K2PXT. In addition to running for the Board of Directors, I have volunteered to be the RARA Academy Coordinator. I see this as an opportunity to try to match the skills and experience that exists within the

RARA membership with the training needs that exist within RARA. From things I have seen and heard, there are many within our ham radio community who have gaps of understanding with respect to a significant number of areas of interest that exist within our hobby. I would like to try to close that gap. I will need help to make the most out of this opportunity. Please contact me via my phone number or through an email to [academy@rochesterham.org](mailto:academy@rochesterham.org) with any questions, training needs or expertise you wish to share. Thanks, in advance, for your input!

### RARA ELMERS' CORNER

Suzanne Bishopp, W2SUZ

Rich Bishopp, KD2UBJ

Elmers' Corner Coordinators

Happy Fall Y'All! I know it isn't quite officially fall yet, but September is one of my favorite months. Rich and I had an eventful summer, but now it's time to get back to business.

We are hosting our next zoom Elmers' Corner from a campsite! Yes, that's right, the camper in my background will ACTUALLY be my camper in real time.

If you want to join us and talk radio, answer all of those burning questions you have been holding onto, or just want to see our camper in the background, you are welcome. The meeting starts at 10am on zoom, the link is below, however, if you would like to get on my reminder email list, send me a quick note at [elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org). I don't send a lot of emails, just one a month reminding you about the zoom meeting, and I always provide the link so you have it one place.

If you are a new ham, or just getting back into the hobby, we are here to help. We've even helped experienced hams with questions they have had on a new aspect of the hobby. ALL questions on radio are welcome.

If you have a lot of questions, or maybe the question may require some background information, you can email your questions to us ahead of the meeting so that we can prepare - [elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org).

#### ELMERS' CORNER

1<sup>st</sup> Saturday of the month  
September – May

#### Next Zoom Meetings:

September 7<sup>th</sup> 10AM-12PM  
October 5<sup>th</sup>  
November 2<sup>nd</sup>

Join Zoom Meeting

[https://us02web.zoom.us/j/83484674667?  
pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09](https://us02web.zoom.us/j/83484674667?pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09)

Meeting ID: 834 8467 4667

Passcode: 786545

One tap mobile

+16465588656,,83484674667#,,, \*786545# US (New York)

+13126266799,,83484674667#,,, \*786545# US (Chicago)

Dial by your location

+1 646 558 8656 US (New York)

+1 312 626 6799 US (Chicago)

+1 301 715 8592 US (Washington DC)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 9128 US (San Jose)

Find your local number: <https://us02web.zoom.us/j/kiOoVkCMY>

Suzanne – W2SUZ

## **MORSE CODE TRAINING**

**Dave Wilson, WA2HOY, RXCWG Coordinator**

The RXCW Group assists Hams wanting to learn Morse Code or to develop their CW skills.

### **BEGINNERS MORSE CODE ZOOM CLASSES**

Peter Fournia, W2SKY, hosts Morse Code classes on Thursday evenings 7pm.

No experience required. Join the group at any session. Register at:

[pfournia@gmail.com](mailto:pfournia@gmail.com)

### **MORSE PRACTICE FOR ALL LEVELS ON ZOOM AND ON THE AIR**

Tim Brown, WB2PAY, hosts Zoom code practice for all levels on Thursday evenings at 7:30pm. For On Air schedules contact Tim at [tjbrown@rochester.rr.com](mailto:tjbrown@rochester.rr.com)

### **RXCWG INTERMEDIATE CW PRACTICE- 7:30pm Thursdays**

Join Zoom Meeting

[https://us04web.zoom.us/j/79966212852?  
pwd=M0M1MIBmVTJkVWl0RjRLYXljc3pOUT09](https://us04web.zoom.us/j/79966212852?pwd=M0M1MIBmVTJkVWl0RjRLYXljc3pOUT09)

Meeting ID: 799 6621 2852

Passcode: tpjz8e

## **W1AW On The Air CW Practice**

Time	Mon	Tue	Wed	Thu	Fri
<b>9 AM</b>		Fast	Slow	Fast	Slow
<b>4 PM</b>	Fast	Slow	Fast	Slow	Fast
<b>7 PM</b>	Slow	Fast	Slow	Fast	Slow
<b>10 PM</b>	Fast	Slow	Fast	Slow	Fast

SLOW - 5, 7 1/2, 10, 13 and 15 wpm

FAST - 35, 30, 25, 20, 15, 13 and 10 wpm

FREQ(MHz) - 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555

<http://www.arrl.org/w1aw-operating-schedule>

## **RADIO ELMERS**

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Dave Carlson	N2OA	Batavia	<a href="mailto:kdcarlso@gmail.com">kdcarlso@gmail.com</a>
Lawrence Hill	N2AJX	Henrietta	<a href="mailto:lawrence.hill@rit.edu">lawrence.hill@rit.edu</a>
Rich Hoffarth	K2AXP		<a href="mailto:rhoffarth2000@yahoo.com">rhoffarth2000@yahoo.com</a>
Bill Kasperkoski	WB2SXY	Pittsford	<a href="mailto:wb2sxy@gmail.com">wb2sxy@gmail.com</a>
Don Kiser	AC2EV	N Greece	<a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>
Karl Heinz Kremer	K5KHK	Chili	<a href="mailto:k5khk@khk.net">k5khk@khk.net</a>
Tim Magee	WB2KAO	Greece	585-704-5747
Mike Moore	KC2NM		<a href="mailto:mikemoore@ieee.org">mikemoore@ieee.org</a>
Peter Schuch	WB2UAQ	Perinton	<a href="mailto:pschuch@rochester.rr.com">pschuch@rochester.rr.com</a>
Forest Shick	WA2MZG	Webster	<a href="mailto:fshick3@gmail.com">fshick3@gmail.com</a>
Dave Timmons	W2DST	N Greece	<a href="mailto:dstimmons@gmail.com">dstimmons@gmail.com</a>
Steve Verzulli	KA1CNF		<a href="mailto:verzulli@yahoo.com">verzulli@yahoo.com</a>
Dan Waterstraat	W2DEW	Henrietta	<a href="mailto:higreen@rochester.rr.com">higreen@rochester.rr.com</a>

## CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	<a href="mailto:w2ned@frontiernet.net">w2ned@frontiernet.net</a>
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Pete Fournia	W2SKY	Penfield	<a href="mailto:pfournia@gmail.com">pfournia@gmail.com</a>
Bill Hopkins	AA2YV	Brighton	<a href="mailto:whopkin4@naz.edu">whopkin4@naz.edu</a>
Bob Karz	K2OID	Webster	<a href="mailto:rkarz@rochester.rr.com">rkarz@rochester.rr.com</a>
Joe Rowe	AG2Y	Webster	<a href="mailto:ag2y@rochester.rr.com">ag2y@rochester.rr.com</a>
Harry Williams	KF2TV	Kingsland, GA	<a href="mailto:harryw7872@gmail.com">harryw7872@gmail.com</a>

### SEPTEMBER RAFFLE PRIZES

- USB Microsoft
- ARRL Handbook
- SOTAbearms 4 Way DC Distribution Box
- Digital Caliper
- Hand made, all wood end table which was donated for the raffle



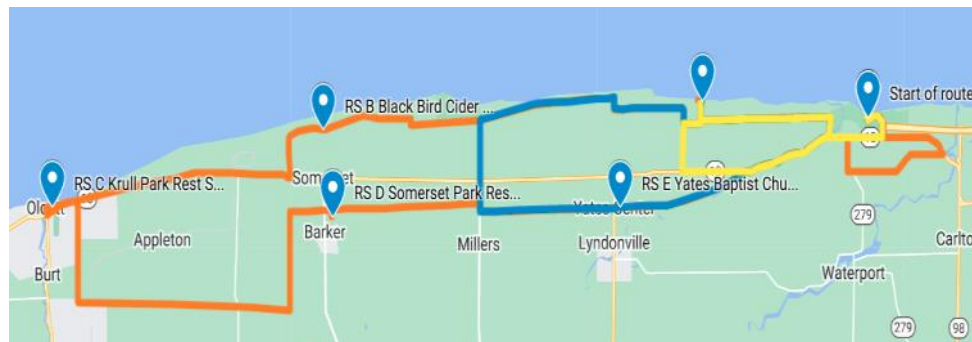


# PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

## MS ROC the Ride Great Lakes Experience

RARA hams participated Saturday, August 10 in the [MS ROC the ride Great Lakes Experience](#). This bike ride was held in Orleans and Niagara Counties and is a fundraiser that brings the community together to change the world for everyone affected by MS. See [2024 Great Lakes Route Map](#) for ride details.



### Event Summary

The recent bike ride raised a commendable \$79,803 towards its goal, thanks to generous community support for the riders' efforts. This event marked a significant milestone, consolidating previously separate rides held in Genesee Valley Park, Hobart and William Smith Colleges, and Buffalo into a single event at Lakeside Beach State Park, Waterport, NY.

### Communications Infrastructure

To ensure smooth operations, communications were managed using the NR2C repeater, owned by Chuck (NR2C) and located in Medina. The Orleans County ARC's WA2DQL repeater in Albion provided additional coverage. A command center established at the Lakeside State Park picnic pavilion, staffed by a coalition of amateur radio groups, coordinated communication efforts.

### Ride Logistics

Riders had three route options: a 62.5-mile orange route, a 25-mile blue route, and an 18-mile yellow route. While the routes diverged, they largely shared common roadways. Staggered start times allowed for a coordinated finish and subsequent after-party.



The event concluded with a lively after-party featuring a food truck, beer garden, and DJ, inviting participants to relax and enjoy the camaraderie.



A dedicated team of volunteers, including Mike K2MTV, Aidan K5DOC, Galen K9FGT, Mike KC1QCI, Mike KC2NM, Bill KD2DNO, Tom KD2IOB, Scott KD2KOS, Stu KD2TWM, Alex KD2UJC, Edward N2IUO, and Peter W2SKY, supported the event. With 135 participants distributed across three routes, our team provided SAG and sweep driver coverage while managing communications at three of the five rest stops. Favorable weather conditions contributed to a successful event with no reported injuries.

## Mammoth March in Letchworth State Park

From Jon Dickason N2JAC - Hams provided communications for 20 mile Letchworth hike. Saturday, August 10th was the Mammoth March in Letchworth State Park. 1,178 hikers from around the country came to our beautiful Letchworth Park to hike for 20 miles in 8 hours on the scenic trails in and around the gorge. Despite recent rain and flash flooding nearby, we had great hiking (and hamming) weather with temps in the 70s, and low humidity and no rain all day. Hams from RARA, ARES, RDXA, and SIARC set up 2-meter simplex at several aid stations along the route. Cell coverage is spotty in the park, and comms were vital for health and safety throughout the day. We relayed messages to EMS teams on both sides of the gorge for several minor incidents. There were many calls for sag wagons to pickup tired hikers that couldn't make it to the finish. At one point we deployed a ham in the sag wagon to go search for a missing hiker who was eventually found at the finish. We did a coverage test a few weeks ago and found 6 meters worked well, but we had problems with it on the event day. Several of us had APRS, and we sent a few digital messages between APRS users. We setup a couple cross band repeaters so our handhelds could reach the net if we were away from our base stations. We're looking forward to the event next year, and have some ideas to improve our operation.



## Wilmot Breakaway Ride

The Wilmot Breakaway Ride will be held Sunday, Sept. 22. RARA will provide communications support for the Wilmot Breakaway Ride. This will include SAG, Sweep, and Command Center Support. The event will be based at the Xerox Campus in Webster. The exact routes have not yet been released but the rides will closely follow the information provided as follow: [Map](#), [Wilmot Cancer Institute Event Webpage](#), [Preliminary Ham Information](#).

The Annual Fairport Lift Bridge Regatta will not be held this year due to resource issues at the Fairport Crew Club (FCC). FCC intends to return to this event in 2025.

Our Pumpkin Patrol event captain, Ed Wilkonski K1EM is preparing for this year's event.

All the events in the 2024 public service calendar are listed in the following table. Visit [https://rochesterham.org/public\\_service.htm](https://rochesterham.org/public_service.htm) for more information and to volunteer.

### 2024 RARA September List of Public Service Events

Event	Location	Day	Date
Wilmot Breakaway Ride	Xerox Campus - Webster, NY	Sunday	Sept. 22, 2024
Camp Cutler Challenge Trophy Camporee (CTC)	Camp Cutler, Naples, NY	Saturday	Oct. 24 - 26, 2024
Pumpkin Patrol	Overpasses of the New York State Thruway	Wednesday and Thursday	Oct. 30 - 31, 2024



# AUGUST MEETING REVIEW: ASTRONOMY YEAR IN REVIEW

TIM BARRETT, K9VB, RARA VICE PRESIDENT

The August meeting was the fourth time that David Bishop has presented his "Year in Astronomy" and as always it was a stimulating talk with some fascinating slides of astronomical and space related issues. It was very well received, and I noted from the audience questions that a number of our members are well versed in astronomical events! If you missed the meeting or would like to follow up, David has provided a link to all the slides he presented here: [Rochester Astronomy Slideshow 2024](#)

Also in the earlier part of the meeting we had a fascinating short presentation from Marty Pepe and you will find his presentation on the next page. I think you will find it interesting.





# AMATEUR RADIO ASTRONOMY SPECIAL INTEREST GROUP

TIM BARRETT, K9VB, RARA VICE PRESIDENT, MARTY PEPE

Marty Pepe is a long time member of RARA and he teaches engineering part time at RIT as well as being involved in a number of amateur astronomy projects in WNY. He introduced some interesting suggestions at our September meeting and I thought they would be worth passing on here.

The idea would be to set up a Special Interest Group for Amateur Radio Astronomy in the Rochester and Buffalo area. Many ham radio members are also members of one of the local Astronomy clubs and so this could be a chance to bring astronomy and amateur radio organizations together in an informal alliance. The main astronomy organizations would be [Buffalo Astronomical Association](https://buffaloastronomy.com), [buffaloastronomy.com](https://buffaloastronomy.com) in Buffalo and ASRAS (<https://rochesterham.org/default.htm>) here in Rochester. Amateur Radio organizations would potentially include RARA and Lancaster Amateur Radio Club (W2SO.org) and possibly the RIT amateur radio group.

For Astronomers, given our lovely 'transparent' weather (one of cloudiest in the nation) radio astronomy makes it possible to do astronomy whatever the weather. For Amateur Radio, it would be opening up a whole new chapter in Radio Operation. Things like Low Noise Amplifiers, special receivers & antennas, new wavelengths, SW, operations, etc, could come into play.

Given this may be BRAND NEW to you, you might be hesitant to jump in. The Society of Amateur Radio Astronomers is a good introduction at <https://www.radio-astronomy.org/>.

On top of all this, you don't have to start off by BUILDING any of the specialized equipment for something you're just getting immersed in. How about being the **CUSTOMER** for the output of student's RA projects? As a customer, you would be involved with the students in what they are working on, a perfect bootstrap learning exercise. Some of Marty's engineering students are looking for project customers! They already have two potential Radio Astronomy projects on the books that are just waiting. Marty also had a good article in the Rag earlier in the year on one of these projects that is worth re-reading (July 2024 Rag, page 16).

If you think you're interested in being part of this new ARA Special Interest Group, just drop Marty an email at [mjpastro@gmail.com](mailto:mjpastro@gmail.com) with [ARA SIG in the title) and your name, email, call sign, cell number and club.

The hope is that we can get enough folks together to make a critical mass for this emerging arm of the hobby. Sounds like a lot of fun!



# PROCEDURE FOR THE ON-LINE RARA ANNUAL BUSINESS MEETING

SCOTT THEIS, W2LW, PRESIDENT

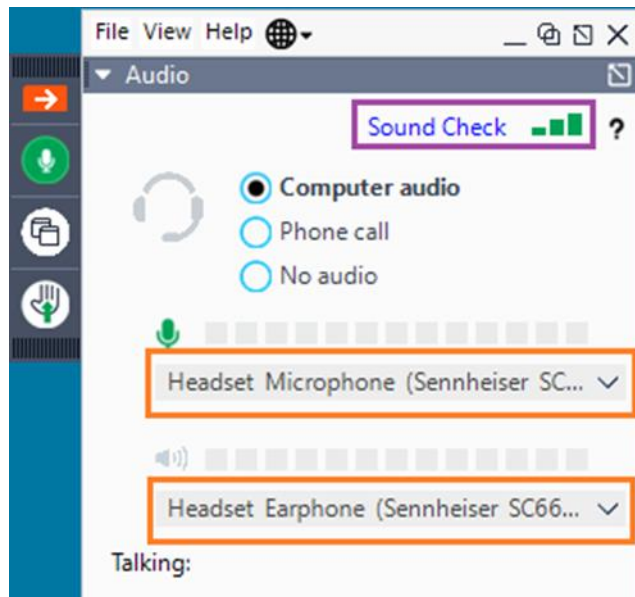
We wanted to provide some extra information so that you'd know what to expect at this year's hybrid on-line and in-person business meeting.

While on-line attendees are encouraged to speak during the meeting, it will not be required to participate. You will however want to be sure that you can hear the various presenters.

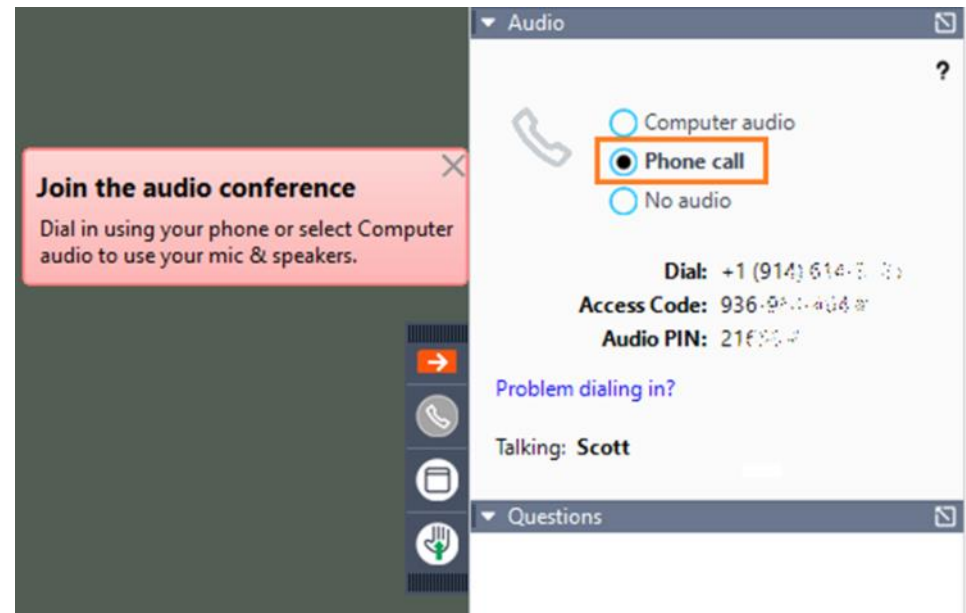
When you first join the meeting, you may be presented with just this small control panel.

To see the rest of the features, click the red/orange arrow at the top to expand the panel.

Once expanded, make sure that you have the audio device you want to use selected. (See orange boxes) If you're having trouble, select the sound check (purple box) and you'll be presented with additional audio options.



In the event that you still have trouble, select the phone call button and you'll be presented with a phone number, access code, and PIN so that you can dial-in to hear the audio. Please be sure to enter both the access code and PIN as this is how the system associates your phone with your web-connection.



We will complete the business meeting before moving on to elements of our regular meeting. The business meeting agenda is:

- Count of Members
- Approve 2023 Minutes
- Election
- Dues
- Treasurer's Report
- Close

Each of these items will have a survey question in the webinar. They will look like this.

If you are not a member, please select "Not a member". This helps with the live calculation of the votes.

Polls will be held open for 60-90 seconds to allow you to respond.

Once you select an option and click submit, you will see your selected option and the submit button will change to text.

**presented ...** *(We will insert the list from the committee for the meeting)*

Please select one:

- ☒ Yes
- ☐ No
- ☐ Abstain
- ☐ Not a Member

Your poll answers have been submitted.

If you have trouble or need to speak at any time during the meeting, please use the raise hand button in the control panel and we will unmute you.

You can also type in the questions field in the attendee panel.

▼ Questions

[Enter a question for staff]

Send



If you have questions about the business meeting, please contact [president@rochesterham.org](mailto:president@rochesterham.org) and I'll work with the board to make sure we get you an answer.

# Minutes of the Rochester Amateur Radio Association, Inc. Annual Business Meeting

## 6 September 2023

RECORDED BY THE OUTGOING SECRETARY BRIAN O'CONNOR, KA2CGB

RaRa President, Scott Theis (W2LW), called the meeting to order at 7:10 PM.

RaRa Vice President, Tim Barrett (K9VB), reported that the Club currently has 526 full (voting) members; the required quorum is 53 members.

There are 36 full members attending in person and 20 full members attending online, for a total of 56. The quorum is met.

Scott asked the assembled membership for agreement to proceed under unanimous consent. No objections were raised.

The Minutes of the September 2022 meeting (which were published online and were corrected from that published in the current edition of the RaRa RAG), were presented for review. A request to dispense oral reading of the minutes received no objection. A request for any correction to the Minutes had no response. A request for any objection to approve the minutes was presented.

With no objection from the gathered membership, the Minutes as published were approved by unanimous consent.

The Nominating Committee Report (which was published in the current edition of the RaRa RAG) was presented for review. Scott invited nominations the floor. Hearing none, the nominations were closed.

With no objection from the gathered membership, the slate of nominees for Officers and Directors was adopted by unanimous consent.

Scott advised the gathered membership that the outgoing Board recommended no change to the current membership dues structure, and asked for any questions or objections from the floor. With no objections, the current dues structure was adopted by unanimous consent.

RaRa Treasurer, Mike Moore (KC2NM), presented the Profit and Loss (P&L) statement and the Balance Sheet for the fiscal year ending 31 August 2023. Mike responded to some questions from the floor.

RaRa President, Scott Theis (W2LW), asked for a motion to adjourn. Paul, WA2WPI, raised the motion, which was seconded by Jeff, WA2RRB. The meeting was adjourned at 7:30 PM.



## NOMINATING COMMITTEE LETTER

August 12, 2024

To: Mike Moore, KC2NM  
Secretary, Rochester Amateur Radio Association  
P.O. Box 93333 Rochester, NY 14692

To the Secretary and Membership of RARA:

We, the undersigned, as members of the 2024 RARA Nominating Committee, are pleased to place the following names in nomination for Officers and Directors of the Corporation for the fiscal year commencing 1 September 2024.

President: Rich Bishopp, KD2UBJ  
Vice President: Tim Barrett, K9VB  
Secretary: Mike Moore, KC2NM  
Treasurer: Brian O'Connor, KA2CGB

Directors: George Adams, K4GWA  
Steve Blowers, K2PXT  
Tim Guyot, KBIPOP  
Mike Kennerknecht, N2MAK  
Karl Heinz Kremer, K5KHK  
Scott Theis, W2LW  
Dave Wilson, WA2HOY

This concludes the work of the 2024 Nominating Committee.

With best regards,

RARA 2024 Nominating Committee  
Pete Fournia, W2SKY  
Mike Sanchez, KM2B  
Frank Schramm, WB2PYD

## BIOGRAPHIES OF CANDIDATES FOR OFFICERS AND BOARD OF DIRECTORS OF THE ROCHESTER AMATEUR RADIO ASSOCIATION

**Rich Bishopp, KD2UBJ**  
Candidate for President

I can't believe I volunteered to be president. I have been a RARA member since 2020 and on the board of directors for the past two years. I really enjoy the friendships I have made and learning so much from all of you new and experienced hams.



Scott Theis along with the other officers and board members contribute so much to the club and I am proud, and a bit nervous, to step up and take on this even more active role in our club.

RARA does not need someone to come in and reinvent the wheel. The board along with the club's members have been doing a great job and will continue to do so. As president my goals would be to continue supporting our various events and activities and welcome new ideas that fit RARA's mission.

Many of you know me from RARA events and maybe even the Elmers Corner on the first Saturday of each month. A bit about me personally for those who do not know. I have been a career firefighter/EMT for more than 30 years. Currently I work at the Frederick Douglass Greater Rochester International Airport and before that at Eastman Kodak Company. I have spent my entire career in specialized firefighting and rescue. I also volunteered with the Fairport Fire Department and Perinton Ambulance for a major portion of that time as well. I was very active in the Scouts as a committee member and chairman and as assistant scoutmaster. I spent a little time volunteering at the district level but the unit or troop level was more rewarding to me. Public service has been a major part of my life. I am getting very close to retirement but I'm not quite ready. I still have a little more energy in the tank. I hope to have everyone's confidence, encouragement and support as the RARA president for the next year.

**Tim Barrett, K9VB**  
**Candidate for Vice President**

Originally from the UK, I have lived in the Rochester area since 2004. I have had a lifelong interest in radio and electronics, first becoming licensed in the UK as G7NYA in 1987 and later as M0TIM. On moving to the US one of my first actions was to get my Extra ticket and become a member of RARA (Life member since 2006). My interests are HF and restoring or repairing old test equipment, but I am mainly interested in the technical / theoretical side of the hobby.



We are fortunate to have such a great club in the Rochester area and I believe that it is a benefit to the whole Rochester area amateur radio community. I have served as Membership Secretary for the past ten years and been on the Board of Directors for eight years including two years as president and the past two years as Vice President.

One of the responsibilities of the Vice President is to obtain speakers for our monthly meeting presentations. I hope you have found the presentations interesting in the past year. I try to maintain a balance between specifically ham radio talks and related subjects that I hope are of interest. If elected, as vice president I will continue to work to find interesting, informative and entertaining speakers. If you have any comments about past presentations or suggestions of a topic you would like to hear or would care to present please do contact me.

**Mike Moore, KC2NM**  
**Seeking Re-election as RARA Secretary**

With a lifelong passion for electronics and communication, I began my ham radio journey in 1967, earning my first license as WN8ZPY. My early experiences building and experimenting with radios fueled a lifelong love of technology.

After relocating to Rochester in 1976, I continued to pursue my ham radio interests while building a successful career in engineering. My dedication to the hobby led me to upgrade to the Amateur Extra Class in 1995 and adopt the callsign KC2NM.

I am deeply committed to our local ham radio community and have actively served RARA in various roles, including Secretary, Treasurer, Public Service Coordinator, and Hamfest Committee member. I enjoy exploring the latest technologies like APRS, Allstar, DSTAR, and DMR, and I'm proud of our club's accomplishments in these areas.



Beyond ham radio, I find joy in boating, biking, cooking, and spending time with my five grandchildren. I am eager to continue serving RARA as Secretary and contribute to our club's ongoing success.

**Brian O'Connor, KA2CGB**  
**Candidate for Treasurer**

Although first licensed in 1978, I was not very active in the hobby while working with radios as a day job. I became more involved following retirement and upgraded to Extra in 2016. My modest shack has all-mode capability from 80m to 70cm. Member of AARL, RARA, RDXA and RVHFG.



It has been an honor to serve on the RARA Board since January 2017: first as Treasurer, then Vice President, Director, Secretary, and Currently as Treasurer.

Always wanting to find a new home for another Ham's equipment, I coordinate donations to the Club as well as managing our hamfest Country Store and our Annual Auction. I serve as custodian of Club-owned radios, antennas and accessories, which support several operating events throughout the year.

I am looking forward to continuing service to the Club as Treasurer.

Retired from Harris RF Communications after 30+ years. Early on I worked with low-level analog and digital circuits and wrote quite a bit of embedded software. But the bulk of my career was helping customers implement large communications systems using 100 kHz to 5 GHz and with stations from QRP to 100 kW. My HF antenna experience includes vertical monopoles, dipoles, mag-loops, rhombics and broad-band HF log-periodics (huge vertical dipole LPAs, too). To be close to our customers, my family and I lived in Europe and the Middle East for more than a decade.

Now empty-nesters, XYL Marion & I live in Perinton. I like testing things (such as radios, antennas and filters), and enjoy operating events such as Field Day and the New York QSO Party (NYQP). Outside of radio, I tinker with an old Fiat X-1/9 and avidly follow Formula 1 auto racing.

## CANDIDATES FOR DIRECTORS

### **TIM GUYOUT, KB1POP** **CANDIDATE FOR DIRECTOR**

I got into amateur radio during college at RIT in 2007. Thanks to Dave Snyder (KC2REO) and Jim Stefano (W2COP) I had a variety of experiences with the club station, K2GXT, and public service. I enjoyed working on antennas on the roof of the Student Alumni Union, and learning about repeaters in the shack on Ellingson. Public service gave me practical experience helping others and working on directed nets. I earned my general-class license in 2008, but didn't get into HF until 2018.

If elected, this will be my ninth year serving on the board. I've served as Secretary, VP, two years as President, and most recently as a Director. I've also been heavily involved in producing the last five Hamfests. As a director I will continue to work on the hamfest as well as our various club events, especially those that involve introducing HF operating to less experienced hams. I look forward to the opportunity to serve another year.



### **GEORGE ADAMS** **CANDIDATE FOR DIRECTOR**

I got into amateur radio just before the pandemic. Since then, I've tested through to Extra and became a VE to bring in new hams. To develop my skills through real world experience, I've become active in public service events working everything from various bike rides to boat races to patrolling pumpkins. Last year, I was lucky enough to receive RARA's Public Service Award.

Furthering the public service theme, I have been a member of Monroe County ARES where for the last two years I have been its President. During this time we have shored up our operations, engaged in several simulated emergency tests including one with Rochester General Hospital, and built relationships with other national Non-Governmental Organizations such as the Information Technical Disaster Resource Center. I have completed AUXCOMM training and completed the task book for certification.

If given the opportunity to be on the Board of Directors, I hope to positively contribute to the future of local amateur radio as I have as a RARA volunteer and as the President of ARES.



### **STEVE BLOWERS, K2PXT** **CANDIDATE FOR DIRECTOR**

My name is Steve Blowers (sounds like flowers with a B); my call is K2PXT.

I was first licensed in the 1980's as a Novice. I started out with Heathkit equipment that I built, but not being an expert, I needed professional help to tweak it so it would work properly. Work and life got in the way and I was in and out of the hobby for many years. I got back into it several years ago and was able to obtain my Extra in August of 2019. To date, I have been volunteering as a VE. I have briefly spent time on the following ham activities at home-simple kit building, a little HF, VHF and UHF nets, a little on Echolink. I have purchased or was given other equipment that I need to learn about such as an antenna analyzer, an oscilloscope and a SignalLink.

Having very recently retired, resulting in more time available to me, I would like to be able to contribute more to RARA. I have volunteered to be the RARA Academy Coordinator. I would also like to volunteer to be a member of the Board of Directors.

During all the time I was in and out of our hobby, I came to realize that it took a certain ability for me to be able to pass the exams. However, that alone did not mean that I learned much about our hobby. And, for me, that has been very frustrating. While there are many sources available today with the Internet that provide learning opportunities, I believe, like many others, that I learn best hands on, face to face. That is why I asked to be the Academy Coordinator.

Having been in the Marine Corps and having worked in Manufacturing Operations for 40 years, I have lived and worked in several states, worked in Mexico for 10 yrs., worked with abled and disabled, union and non-union, and a variety of working environments. In addition, as a long term, though relatively inexperienced ham, I think I can bring a unique, and maybe a little different, perspective to the team.

I was born and raised in LeRoy so I am relatively local. I have lived in my current home in Greece for about 20 yrs. I am married with a daughter and twin granddaughters.

One thing I am learning is that our best chance for growing our abilities and knowledge in this very cool hobby, in which we have all chosen to participate, is from each other. I plan to be active in helping to provide a forum for this to occur. Thank you all for this opportunity.





**KARL HEINZ KREMER, K5KHK**  
**CANDIDATE FOR DIRECTOR**

Two first names, and no middle name – my friends call me Karl Heinz.

Born and raised in Germany. From a young age on, I was fascinated by all things electrical. I started to take things apart that others were throwing out (TV sets, radios, anything with an electric motor I could get my hands on and so on). Eventually, I started to put those parts that I crudely took out of stuff back together to build other stuff. That got me on the path to become an electrical engineer. My first job after graduation was as a software engineer, and I never actually worked as an electrical engineer.



I worked for Kodak in Germany, and they moved me to Rochester - twice. In '94 I got my Tech+ license as N2XRQ. I made a few 5WPM contacts and then job and life had different plans for me and I put the radio away for more than 20 years. A few years ago, I took my radio out of storage, upgraded to Extra (now as K5KHK) loaded up my rain gutters and played around with digital weak signal modes. I've always enjoyed home brewing (the electronic kind, but I've brewed beer a couple of times as well).

I am the club's education coordinator and also teach the Technician license class. Besides my involvement in the local club, I am also the POTA mapping coordinator for New York (and a POTA activator and hunter).

**MIKE KENNERKNECHT, N2MAK**  
**CANDIDATE FOR DIRECTOR**

Portable operations, like Parks on the Air (POTA) and Summits on the Air (SOTA), are my primary interests in amateur radio, but I'm also interested in emergency communications (e.g. Winlink) and VHF contesting (I am a member of the Rochester VHF Group as well). A little over a year ago, I launched my own YouTube channel where I share my experiences and adventures in amateur radio.



I got my Technician license in November 2020, my General in January 2021 and my Amateur Extra in February 2021. My oldest son, Ben, got his Technician license in March 2021, thanks to the RARA class, and upgraded to General in July 2021.

I am originally from the Utica area and I lived in Binghamton for about a decade after college. My wife—a native of Rochester—and I moved here in 2012 to be closer to family and we live in West Henrietta with our 2 sons, Ben and Jake.

I am the Economic Development Coordinator and Assistant Director of State Relations for the University of Rochester. I have a B.A. in Political Science from SUNY Cortland and a Masters in Public Administration from Binghamton University.

**DAVE WILSON, WA2HOY**  
**CANDIDATE FOR DIRECTOR**

It's been an honor to have served as a board member for the last two years.

I was licensed in 1976 as a General, passed the Advanced Class in the '90s, and my Extra Class in 2018. I've been a club member off and on since the '70s and continuously for the last several years.

The Rochester Amateur Radio Association is a wonderful club with so many areas for exploring the hobby of amateur radio. We have excellent opportunities for education through the license classes and the monthly Elmers Corner where hams can help and be helped.

I would be honored to be able to serve another year on the board.



**Scott Theis, W2LW**  
**Candidate for Director**

My name is Scott Theis, and I am an Extra Class amateur and the President of RARA. Since 2017, I have served as a board member, as a Director, as Vice President (for three years), and as President for two last years. During that time, I have also served as club webmaster.

First, I would like to thank you all for supporting me as club President and for the assistance of the board throughout my tenure as President.

Second, I hope to continue to serve the club as a Director and Webmaster for this upcoming year. My primary goal is to continue to support amateur radio through club activities in education, field activities, web development and operating opportunities all while fulfilling our primary mission goals. I believe that the club has achieved a lot in the past two years and hope to help continue that success in the next year.

I hope with the extra time not being a club officer, I will be able to spend more time on the website and perhaps contribute to educational activities. (And maybe even play with some of my own ham radio toys investments).

I would be honored to continue working as a Director and help the club continue to serve its members and the community.



# RARA CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

September 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>1</b> TN QSO Party	<b>2</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest ARS Spartan Sprint	<b>3</b> JS8 Group 14.078 MHz, 9pm Phone Weekly Test	<b>4</b> RARA Monthly Mtg BSA & ONLINE 7pm ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80	<b>5</b> RARA BoD Mtg 6:30pm ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NRAU 10m Activity Contest NCCC FT4 Sprint SKCC Sprint (Europe) Weekly RTTY Test	<b>6</b> K1USN Speed Test	<b>7</b> ROC City Net 28.405 MHz, 9pm All Asian DX Contest, Phone RSGB SSB Field Day IARU Region 1 SSB Field Day OH State parks on the Air PODXS 070 Club 80M Sprint AGCW Straight Key Party CWOps CW Open Wake Up! QRP Sprint
<b>8</b> All Asian DX Contest, Phone RSGB SSB Field Day IARU Region 1 SSB Field Day PODXS 070 Club 80M Sprint	<b>9</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest 144MHz Fall Sprint	<b>10</b> JS8 Group 14.078 MHz, 9pm Phone Weekly Test	<b>11</b> ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80 RSGB Autumn Series, CW	<b>12</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NCCC FT4 Sprint QRP Foxhunt Weekly RTTY Test NCCC Sprint BCC QSO Party	<b>13</b> K1USN Speed Test	<b>14</b> ROC City Net 28.405 MHz, 9pm Africa FT4 Contest Russian Cup Digital Contest Run for the bacon QRP Contest ARRL September VHF Contest
<b>15</b> Russian Cup Digital Contest NA Sprint RTTY IRTS 70cm, 2m Contest BARTG Sprint PSK63 Contest ARRL September VHF Contest	<b>16</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest Run for the Bacon QRP Contest	<b>17</b> JS8 Group 14.078 MHz, 9pm Phone Weekly Test 222MHz Fall Sprint	<b>18</b> ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80 Walk for the Bacon Contest	<b>19</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NTC QSO Party NCCC Sprint NCCC FT4 Sprint Weekly RTTY Test AGB Nemiga Contest	<b>20</b> K1USN Speed Test	<b>21</b> ROC City Net 28.405 MHz, 9pm ARRL EME Contest ARRL 10GHz and Up Contest IA, NJ, NH, TX QSO Parties QRP Afield Feld Hell Sprint NA Sprint RTTY Wisconsin Parks On The Air Washington State Salmon Run Scandinavian Activity Cont, CW
<b>22</b> ARRL EME Contest ARRL 10GHz and Up Contest IA, NJ, NH, TX QSO Parties QRP Afield Feld Hell Sprint NA Sprint RTTY Washington State Salmon Run Scandinavian Contest CW	<b>23</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	<b>24</b> JS8 Group 14.078 MHz, 9pm Phone Weekly Test SKCC Sprint	<b>25</b> ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80 432MHz Fall Sprint UKEICC 80M Contest	<b>26</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NCCC Sprint NCCC FT4 Sprint Weekly RTTY Test QRP Foxhunt RSGB Autumn Series, Data	<b>27</b> K1USN Speed Test	<b>28</b> ROC City Net 28.405 MHz, 9pm CQ WW Contest, RTTY AWA AMQ SO Party Maine QSO Party Masonic Lodges On The Air
<b>29</b> CQ WW Contest, RTTY AWA AMQ SO Party Maine QSO Party Masonic Lodges On The Air UBA ON Contest, 6M	<b>30</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest QCX Challenge					

# VE TEAM

Testing takes place on the 3rd Saturday September - April

## Testing Location

RIT  
Rochester Institute of Technology  
Building 16 -Schmitt Interfaith Center  
43.08402626755475, -77.6734520379509

- Easiest path is from Parking Lot D it can be accessed from West Jefferson Rd via Andrews Memorial Dr or Lowenthal Rd
- From parking lot D walk south up the ramp to the Schmitt Interfaith Center.
- Once inside there is an elevator over to your left or stairs in front of you. Go to the first floor and you will find the Skalny room.

**Please Note:** this room cannot be accessed from the door under the bridge.

Pre-registration is required visit:

<https://hamstudy.org/sessions/14612/inperson> to find the latest session.

More information is available on the RARA website:

[https://rochesterham.org/license\\_testing.htm](https://rochesterham.org/license_testing.htm)

Applicants must supply their own pen, pencil, calculator

Testing begins at 10:00AM.

**Also Note:** The exam is free however the FCC now charges \$35 for applications. This fee is NOT paid to the VE team. It is paid directly to the FCC. You will receive an email from the FCC when your application is processed. We will also have an information sheet available



## NEWS FROM AREA CLUBS

### MONROE COUNTY ARES / RACES News

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. The meeting in November is on the third Thursday to avoid interfering with Thanksgiving. Anyone interested, members and non-members, are welcome to attend. The meetings are in person at 6:00 PM at the county EOC in even months and at the Red Cross in odd months. They are also available via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: [secretary@monroecountyemcomm.org](mailto:secretary@monroecountyemcomm.org).

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the W2ARM 146.61 MHz (-) 110.9 Hz PL and 444.45 MHz (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC. On nights when we hold our regular meeting, the net is at 5:30 PM.

Web: [www.monroecountyemcomm.org](http://www.monroecountyemcomm.org)

Facebook: Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

### ROCHESTER DX ASSOCIATION, RDXA

Please check our website [www.rdxa.com](http://www.rdxa.com) for up-to-date information regarding meeting locations and requirements, if any.



### XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club meets the second Thursday of the month (except July and August). 7PM at the Webster Recreation Center. Zoom meeting info, when available, is sent out to our mailing list. How to subscribe and up-to-date information is always on our website at <http://xarc.us>. We have a System Fusion repeater south of the city on 145.290, and another on 444.825 west of the city that is also D-Star capable. Both are also analog capable with 110.9Hz tone. All are welcome.

### AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Emergency Communications Center on Harris Hill in Big Flats, next to the National Soaring Museum. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month at the same location. Both organizations serve amateurs in Chemung County and the surrounding counties in New York and Pennsylvania. All are welcome to attend our meetings, which begin at 7 p.m. All monthly meetings are held both in person and on Zoom.

Don't forget to check out our repeaters when you visit the area. N3AQ 147.36(+) and the W2ZJ 146.70(-) are the principal 2-meter repeaters, both with a PL of 123.0. The latter can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters in the Twin Tiers area can be found at [http://www.arast.info/arast\\_website/public/repeaters.php](http://www.arast.info/arast_website/public/repeaters.php).

We also invite you to check out our 6-meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. We welcome participation from RaRa members.

Tickets for our Elmira hamfest on September 28, 2024 can now be obtained online at [http://www.arast.info/arast\\_website/public/hamfest.php](http://www.arast.info/arast_website/public/hamfest.php) or from ARAST members for \$6.00.

### COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

### DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

## DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

## KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

Our meetings are always the 2nd Wednesday. Dish to pass meal at 6pm with meeting at 7pm. All are welcome.

Don't forget our daily Monday thru Friday 75 meter HF net. Check in at 7:45am starts 8:00 am on 3.896. Always a great way to start your day.

73, Belinda KD2BPJ

## ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2<sup>nd</sup> Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00PM, meeting starts at 7:30PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two-meter net every Tuesday night at 9:00PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

**You are invited to  
join us on-line &  
on-the-air! We're  
here to help you to  
use the license that  
you worked so hard to get.**



Check out what we do by visiting our  
website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message  
to [RVHFG+subscribe@groups.io](mailto:RVHFG+subscribe@groups.io).

Join our weekly on-the-air nets on SSB:  
2 meter band - Monday 9 PM 144.260 USB  
6 meter band - Thursday 9 PM 50.205 USB

No VHF SSB radio (yet) to join the nets?  
Log-in to Echolink ka2ene-L #23426

We can help to answer the question, "What radio  
should I buy?" Here's a list of HF+++ radios, those  
with the HF bands and at least three VHF bands,  
giving you access to all sorts of VHF fun. Research  
each one to see which serves you best. Ask  
questions on our email list. We're here to help!

Yaesu FT-100D	Yaesu FT-817	Yaesu FT-818
Yaesu FT-847	Yaesu FT-857	Yaesu FT-897
Icom IC-706MKIIG	Icom IC-7000	Icom IC-7100
Icom IC-9100	Kenwood TS-2000	

Some are older models and some are newer models,  
but all provide access to the 6 meter, 2 meter, and  
70 centimeter bands using both traditional FM and  
the exciting narrow-band SSB mode that supports  
unexpectedly long-distance (100's of km's routinely  
and 1,000's of km occasionally) VHF communication.  
These are good all-around radios no matter what  
club you end up affiliating with later. We hope its us.

## SKENOH ISLAND AMATEUR RADIO CLUB, SIARC

The Skenoh Island Amateur Radio Club and meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. There will not be a meeting in August. The next meeting will be on Wednesday, September 11th. There will be election of club officers. There will not be VE testing in September.

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY), Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate.

73's  
Steve Benton  
WB2VMR

## ROCHESTER RADIO REPEATER ASSOCIATION

The current club officers are Bob Odell, N2BZX - President, Bob Shewell, N2HJD - Vice President, Jay Stewart, W4JPS - Secretary, and Jerry Powell, KC2YSY - Treasurer / Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site using PayPal. [www.k2rra.org](http://www.k2rra.org)

## THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

### THE RADIO AMATEUR IS:

<b>CONSIDERATE</b>	Never knowingly operating in such a way as to lessen the pleasure of others.
<b>LOYAL</b>	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
<b>PROGRESSIVE</b>	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
<b>FRIENDLY</b>	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
<b>BALANCED</b>	Radio is an avocation, never interfering with duties owed to family, job, school or community.
<b>PATRIOTIC</b>	With station and skill always ready for service to country and community.



49TH ANNUAL - ELMIRA INTERNATIONAL

# HAMFEST COMPUTERFEST

SEPTEMBER 28TH, 6AM to 2PM

CHEMUNG COUNTY FAIRGROUNDS

**Flea Market:** 6:00 AM to 2:00 PM

**Vendor Building:** 8:00 AM to 2:00 PM

**FOOD AVAILABLE ONSITE**

**FCC Exam:** 10:00 AM Walk-ins Welcomed

Visit [ARAST.INFO](http://ARAST.INFO)

Tickets:

\$6 in ADVANCE

\$8 AT THE GATE.

SAVE! AND GET YOURS NOW!

**GPS COORDINATES**

General Admission Gate N 42° 08.743 W 076° 49.233  
Vendor Gate N 42° 08.661 W 076° 49.000



# RARA OFFICERS, DIRECTORS AND COORDINATORS

## OFFICERS

<b>President:</b> Scott Theis, W2LW	(845) 774-9809	<a href="mailto:president@rochesterham.org">president@rochesterham.org</a>	<b>Treasurer</b> Brian O'Connor, KA2CGB	(585) 721-2346	<a href="mailto:treasurer@rochesterham.org">treasurer@rochesterham.org</a>
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## OCTOBER RAG DEADLINE

### SEPTEMBER 15, 2024

**RARA MEETS AT 7PM ON THE FIRST  
WEDNESDAY OF EACH MONTH.**

**JOIN US IN PERSON**

**OR**

**ONLINE AT:**

<https://attendee.gotowebinar.com/register/2568581649557430110>

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## Rochester Area Repeater Listing

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